```
RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/831,047B

Input Set: A:\sequence.txt
Output Set: N:\CRF3\10232001\1831047B.raw
```

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4 <110> APPLICANT: The Wistar Institute of Anatomy and Biology
             The Trustees of the University of Pennsylvania
             Blaszczyk-Thurin, Magdalena
             Kieber-Emmons, Thomas
      9 <120> TITLE OF INVENTION: Compositions and Methods For Treatment of Cancer
     11 <130> FILE REFERENCE: WST93AUSA
C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/831,047B
C--> 14 <141> CURRENT FILING DATE: 2001-08-14
     16 <150> PRIOR APPLICATION NUMBER: 60/107,478
     17 <151> PRIOR FILING DATE: 1998-11-06
                                                              ENTERED
     19 <160> NUMBER OF SEQ ID NOS: 121
     21 <170> SOFTWARE: PatentIn Ver. 2.0
     23 <210> SEQ ID NO: 1
     24 <211> LENGTH: 12
     25 <212> TYPE: PRT
     26 <213> ORGANISM: Artificial Sequence
     28 <220> FEATURE:
     29 <223> OTHER INFORMATION: Description of Artificial Sequence:
              peptido-mimetic of a Lewis antigen
                                                                               RECEIVED
     30
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     33 Asp Leu Trp Asp Trp Val Val Gly Lys Pro Ala Gly
                                              10
                                                                                  SED 1 1 2002
      34
          1
      37 <210> SEQ ID NO: 2
      38 <211> LENGTH: 12
                                                                               ECH CENTER 1800/2900
      39 <212> TYPE: PRT
      40 <213> ORGANISM: Artificial Sequence
      42 <220> FEATURE:
      43 <223> OTHER INFORMATION: Description of Artificial Sequence:
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      47 Asp Ala Trp Asp Trp Val Val Gly Lys Pro Ala Gly
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      48
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      52 <211> LENGTH: 12
      53 <212> TYPE: PRT
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      56 <220> FEATURE:
      57 <223> OTHER INFORMATION: Description of Artificial Sequence:
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      60 <400> SEQUENCE: 3
      61 Asp Asp Trp Asp Trp Val Val Gly Lys Pro Ala Gly
      62
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      65 <210> SEQ ID NO: 4
      66 <211> LENGTH: 12
      67 <212> TYPE: PRT
      68 <213> ORGANISM: Artificial Sequence
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PATENT APPLICATION: US/09/831,047B

DATE: 10/23/2001 TIME: 10:07:33

Input Set : A:\sequence.txt

Output Set: N:\CRF3\10232001\1831047B.raw

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72
74 <400> SEQUENCE: 4
75 Asp Tyr Trp Asp Trp Val Val Gly Lys Pro Ala Gly
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76 1
79 <210> SEQ ID NO: 5
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84 <220> FEATURE:
85 <223> OTHER INFORMATION: Description of Artificial Sequence:
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88 <400> SEQUENCE: 5
89 Asp Glu Trp Asp Trp Val Val Gly Lys Pro Ala Gly
90 1
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95 <212> TYPE: PRT
96 <213> ORGANISM: Artificial Sequence
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 99 <223> OTHER INFORMATION: Description of Artificial Sequence:
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 108 <211> LENGTH: 12
 109 <212> TYPE: PRT
 110 <213> ORGANISM: Artificial Sequence i
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 113 <223> OTHER INFORMATION: Description of Artificial Sequence:
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 117 Asp Arg Trp Asp Trp Val Val Gly Lys Pro Ala Gly
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 123 <212> TYPE: PRT
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 126 <220> FEATURE:
 127 <223> OTHER INFORMATION: Description of Artificial Sequence:
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  135 <210> SEQ ID NO: 9
  136 <211> LENGTH: 12
  137 <212> TYPE: PRT
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PATENT APPLICATION: US/09/831,047B

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Output Set: N:\CRF3\10232001\I831047B.raw

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141 <223> OTHER INFORMATION: Description of Artificial Sequence:
          peptido-mimetic of a Lewis antigen
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146 1
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155 <223> OTHER INFORMATION: Description of Artificial Sequence:
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160
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164 <211> LENGTH: 12
165 <212> TYPE: PRT
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168 <220> FEATURE:
169 <223> OTHER INFORMATION: Description of Arxificial Sequence:
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173 Asp Leu Phe Asp Trp Val Val Gly Lys Pro Ala Gly
174
177 <210> SEQ ID NO: 12
178 <211> LENGTH: 12
179 <212> TYPE: PRT
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 183 <223> OTHER INFORMATION: Description of Artificial Sequence:
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 187 Asp Leu Met Asp Trp Val Val Gly Lys Pro Ala Gly
 188
 191 <210> SEQ ID NO: 13
 192 <211> LENGTH: 12
 193 <212> TYPE: PRT
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 202 1
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 206 <211> LENGTH: 12
 207 <212> TYPE: PRT
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Input Set : A:\sequence.txt

Output Set: N:\CRF3\10232001\I831047B.raw

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210 <220> FEATURE:
211 <223> OTHER INFORMATION: Description of Artificial Sequence:
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219 <210> SEQ ID NO: 15
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221 <212> TYPE: PRT
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224 <220> FEATURE:
225 <223> OTHER INFORMATION: Description of Artificial Sequence:
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233 <210> SEQ ID NO: 16
234 <211> LENGTH: 12
235 <212> TYPE: PRT
236 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
239 <223> OTHER INFORMATION: Description of Artificial Sequence:
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243 Asp Leu Lys Asp Trp Val Val Gly Lys Pro Ala Gly
                                          10
      1
244
247 <210> SEQ ID NO: 17
248 <211> LENGTH: 12
 249 <212> TYPE: PRT
 250 <213> ORGANISM: Artificial Sequencé
 252 <220> FEATURE:
 253 <223> OTHER INFORMATION: Description of Artificial Sequence:
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 254
 256 <400> SEQUENCE: 17
 257 Asp Leu Arg Asp Trp Val Val Gly Lys Pro Ala Gly
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                       5
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 261 <210> SEQ ID NO: 18
 262 <211> LENGTH: 12
 263 <212> TYPE: PRT
 264 <213> ORGANISM: Artificial Sequence
 266 <220> FEATURE:
 267 <223> OTHER INFORMATION: Description of Artificial Sequence:
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 2 0 <400> SEQUENCE: 18
 271 Asp Leu Ser Asp Trp Val Val Gly Lys Pro Ala Gly
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 272
 275 <210> SEQ ID NO: 19
 276 <211> LENGTH: 12
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PATENT APPLICATION: US/09/831,047B

DATE: 10/23/2001 TIME: 10:07:33

Input Set : A:\sequence.txt

Output Set: N:\CRF3\10232001\I831047B.raw

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277 <212> TYPE: PRI
278 <213> ORGANISM: Artificial Sequence
280 <220> FEATURE:
281 <223> OTHER INFORMATION: Description of Artificial Sequence:
          peptido-mimetic of a Lewis antigent
282
284 <400> SEQUENCE: 19
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                                          10
286
289 <210> SEQ ID NO: 20
290 <211> LENGTH: 12
291 <212> TYPE: PRT
292 <213> ORGANISM: Artificial Sequence
294 <220> FEATURE:
295 <223> OTHER INFORMATION: Description of Artificial Sequence:
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300
      1
303 <210> SEQ ID NO: 21
304 <211> LENGTH: 12
305 <212> TYPE: PRT
 306 <213> ORGANISM: Artificial Sequence
 308 <220> FEATURE:
 309 <223> OTHER INFORMATION: Description of Artificial Sequence:
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 317 <210> SEQ ID NO: 22
 318 <211> LENGTH: 12
 319 <212> TYPE: PRT
 320 <213> ORGANISM: Artificial Sequence
 322 <220> FEATURE:
 323 <223> OTHER INFORMATION: Description of Artificial Sequence:
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 326 <400> SEQUENCE: 22
 327 Asp Leu Trp Val Trp Val Val Gly Lys Pro Ala Gly
                                           10
 328
 331 <210> SEQ ID NO: 23
 332 <211> LENGTH: 12
 333 <212> TYPE: PRT
 334 <213> ORGANISM: Artificial Sequence
 336 <220> FEATURE:
 337 <223> OTHER INFORMATION: Description of Artificial Sequence:
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 340 <400> SEQUENCE: 23
 341 Asp Leu Trp Met Trp Val Val Gly Lys Pro Ala Gly
                                            10
 342
 345 <210> SEQ ID NO: 24
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Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/831,047B TIME: 10:

DATE: 10/23/2001 TIME: 10:07:34

Input Set : A:\sequence.txt

Output Set: N:\CRF3\10232001\I831047B.raw

L:13 M:270 C: Current Application Number differs, Replaced Application Number
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:1419 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:100
L:1419 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:100
L:1419 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:100
L:1573 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:111
L:1573 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:111
L:1587 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:111
L:1587 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:112
L:1587 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:112
L:1587 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:112